

Facsimile Transmission Sheet

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Date:	July 30, 2004
Number of Pages (including fax sheet):	3
Re:	09/830,477
Attorney Number:	11624
Client Matter Number:	302639-7

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DRAFT*DRAFT***DRAFT***DRAFT***DRAFT***DRAFT***DRAFT**

1. (Amended) A network modem device connecting a Local Area Network (LAN) to a remote network, comprising:

a local store containing a list of domain or host names and attribute data wherein said list comprises;

a list of domain names looked-up on an external Domain Name Service (DNS) with corresponding attribute data; and

a list of host names declared on said LAN with corresponding attribute data;

a ~~Domain Name Service (DNS)~~ DNS relay module; and

a router having a LAN interface connected to said LAN, a local connection to said DNS relay module and a network connection to said remote network;

wherein said DNS relay module uses said list and said attribute data to respond, without connecting to said external DNS when resolving said domain name, to requests received from said LAN via said router on said local connection, for a numeric address in response to a domain name when said domain name requested is on said list; and

wherein said DNS relay module generates a DNS request and transmits said DNS request to an external DNS on said remote network via said local connection to said router, and said DNS relay module returning a reply from said external DNS to said LAN via said local connection to said router to respond to said request for a numeric address when said domain name requested is not on said list.

DRAFT*DRAFT***DRAFT***DRAFT***DRAFT***DRAFT***DRAFT**

13. (Amended) A method for relaying DNS requests on a LAN connected through a router to a remote network by a network modem device, comprising:

a Domain Name Service (DNS) relay module receiving a domain name request via said router having a LAN interface connected to said LAN, a local connection to said DNS relay module and a network connection to said remote network, on said local connection, for a numeric address in response to a domain name;

said DNS relay module using a local store containing a list of domain or host names and attribute data to respond to said request, without connecting to said external DNS when resolving said domain name, when said domain name requested is on said list, wherein said list comprises:

a list of domain names looked-up on an external DNS with corresponding attribute data; and

a list of host names declared on said LAN with corresponding attribute data; and

said DNS relay module generating a DNS request and transmitting said DNS request to an external DNS on said remote network via said local connection to said router, and said DNS relay module returning a reply from said external DNS to said LAN via said local connection to said router to respond to said request for a numeric address when said domain name requested is not on said list.